CITRIX NETSCALER INTEGRATION GUIDE

SecurEnvoy SecurAccess

Abstract

This document will walk you through the basic steps to configure your Citrix NetScaler to use SecurEnvoy SecurAccess for Two-Factor Authentication

Document Version 1.12

Michael Urgero

murgero@securenvoy.com

Contents

Getting Started 2

Things You Will Need 2

General Environment 2

Other notable configurations 2

Prepare the SecurEnvoy SecurAccess Server 3

Let's get logged into the Citrix NetScaler 3

RADIUS Authentication Policy 5

Create the Authentication Server 5

What's Next 9

Support for Your Trial 9

Getting Started

The purpose of this document is to outline the general steps for the configuration of your Citrix NetScaler to use SecurEnvoy SecurAccess Two-factor Authentication Solution within your environment quickly and easily.

Both the SecurEnvoy SecurAccess Two-Factor Authentication Solution and the Citrix NetScaler have many features and optional configuration methods. We will not be covering all features and options in this guide. The intent of this guide is to provide instruction for the integration of SecurEnvoy SecurAccess Two-factor Authentication with your Citrix NetScaler to a production ready state.

Things You Will Need

This document will assume that the reader is a network and systems administrator with administrative level access to the systems required for this implementation, listed below. If you do not currently have this level of access to the environment, you should obtain it before you continue.

To properly integrate SecurEnvoy SecurAccess with your Citrix NetScaler you will need the following;

- A working SecurEnvoy SecurAccess implementation.
- A working Citrix NetScaler (Version 11.1 48.10nc shown here)

General Environment

The below assumptions are made during this document.

- Your Citrix NetScaler can be physical or virtual.
- You have deployed your Citrix NetScaler in a 1-Arm Configuration, which is the most common.
- You have already configured your Citrix NetScaler for use with Citrix StoreFront, including SSL Certificates.

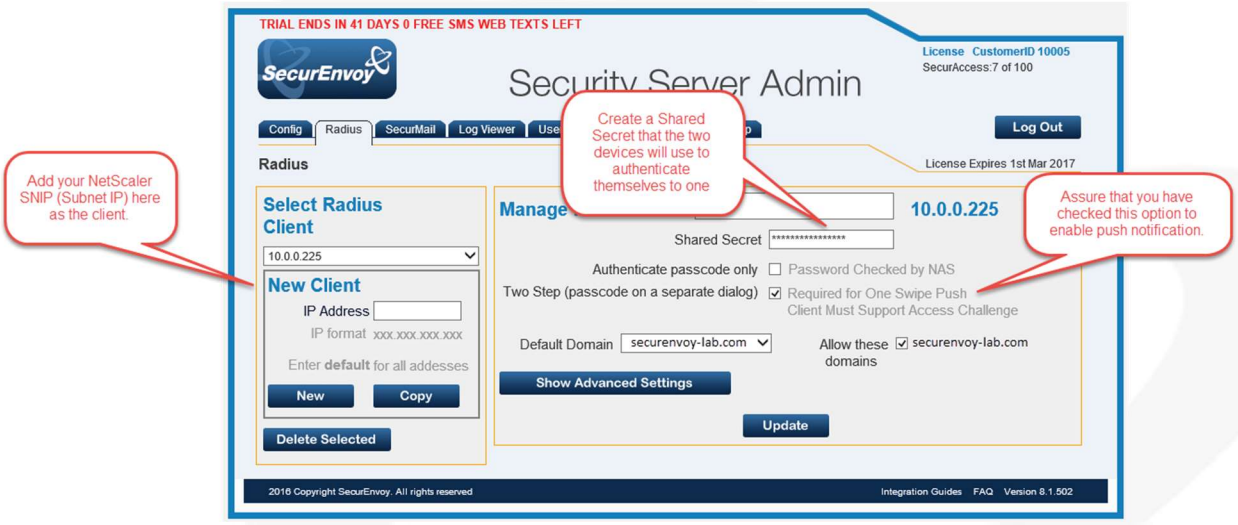
Other notable configurations

- If you are using two Citrix NetScalers and they are already configured for HA, this document will still apply properly.
- If you are using two SecurEnvoy SecurAccess Servers in your environment, you will need to follow a few additional optional steps notes in this guide.

Prepare the SecurEnvoy SecurAccess Server

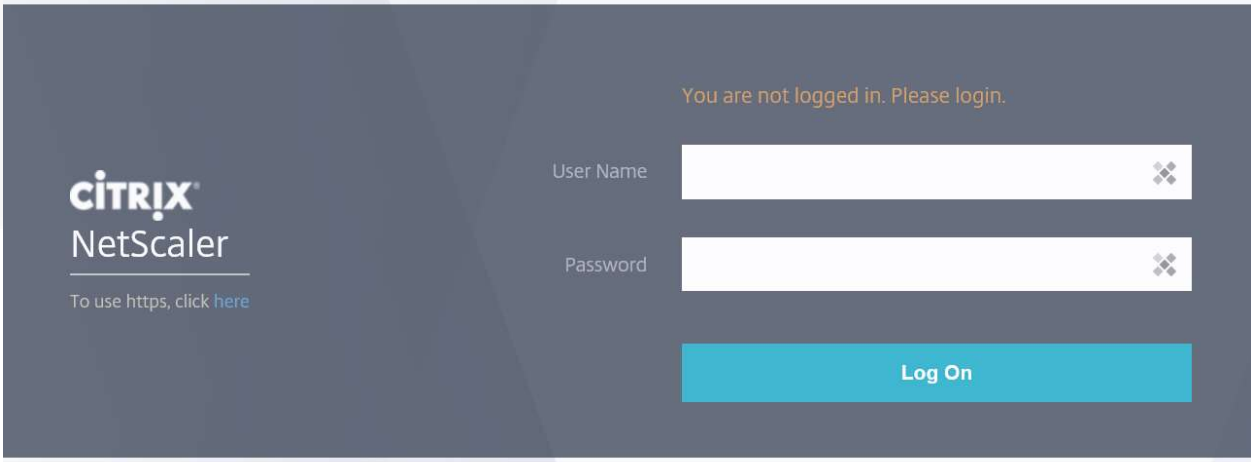
In this step, we will illustrate the critical components that you will need to perform to make sure that the SecurEnvoy SecurAccess Server is prepared.

Always take note – our IP Addresses are from our internal lab. Yours will be different.

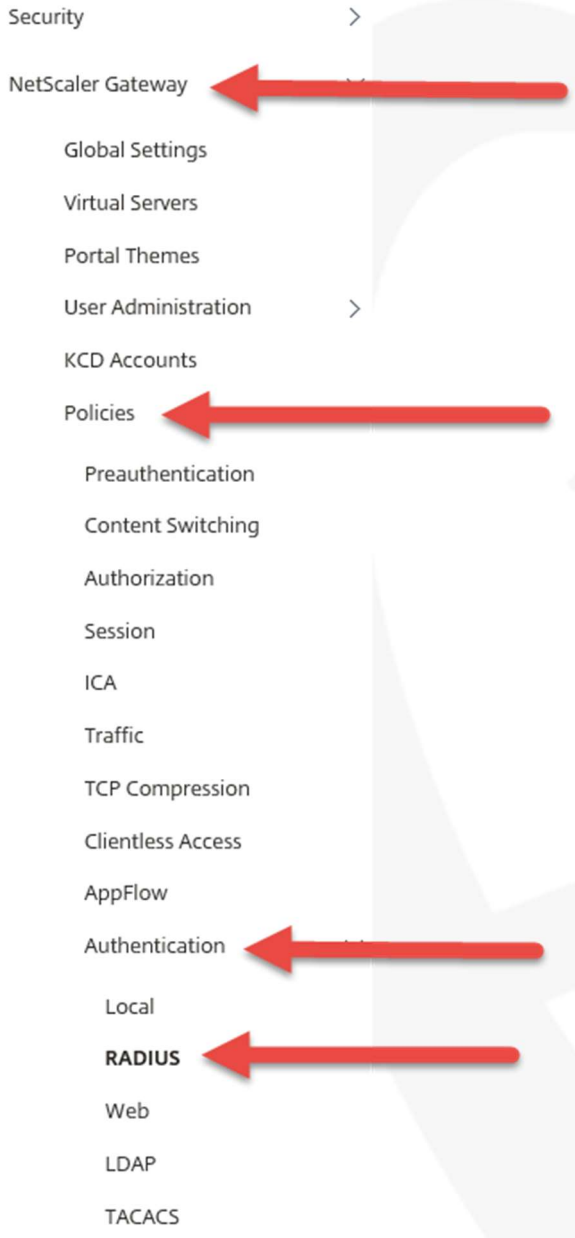


Communication will RADIUS and is expected to be operating on the standard TCP Port 1812. The SecurEnvoy SecurAccess Server is the RADIUS host.

Let's get logged into the Citrix NetScaler



Authentication with an admin account is required.



We will be creating a RADIUS Authentication Policy. Navigate using the left tree to the RADIUS Authentication Policy Section shown here.

RADIUS Authentication Policy

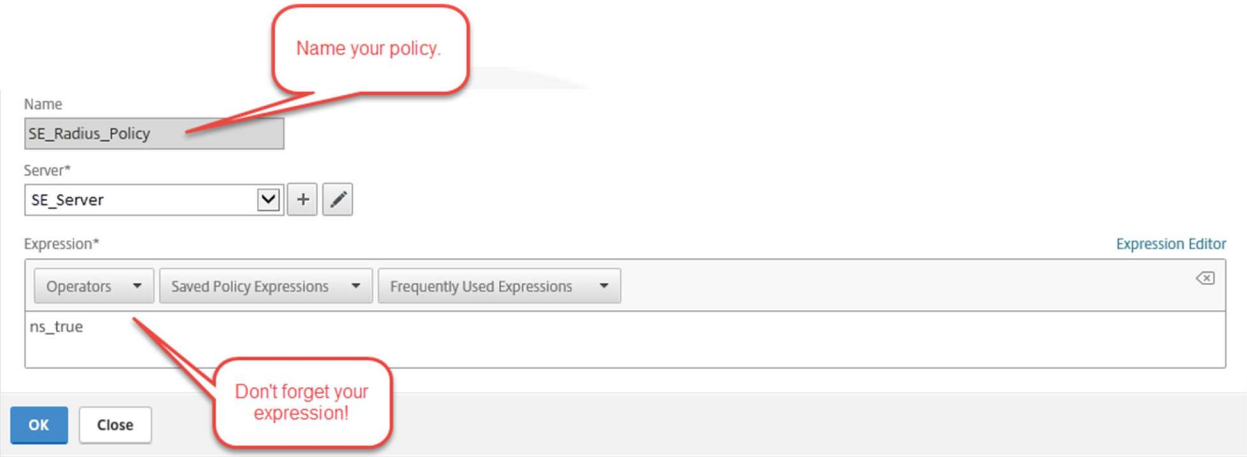
The SecurEnvoy SecurAccess Authentication Policy needs to be created and will replace the authentication policy that you currently have, usually LDAP.

Create the Authentication Server

You will need to create an authentication server to define the RADIUS communication.



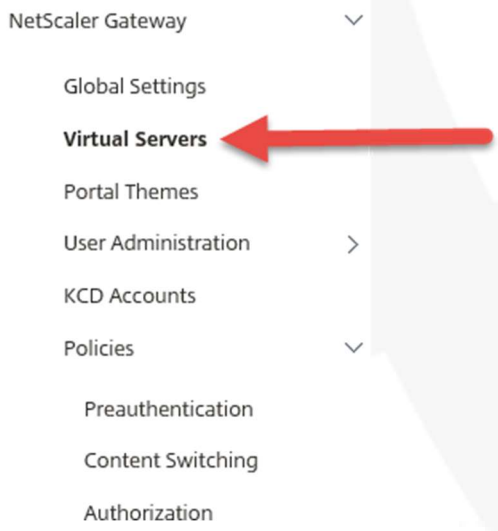
Don't forget to click 'More' and verify that the Password Encoding is set to pap.

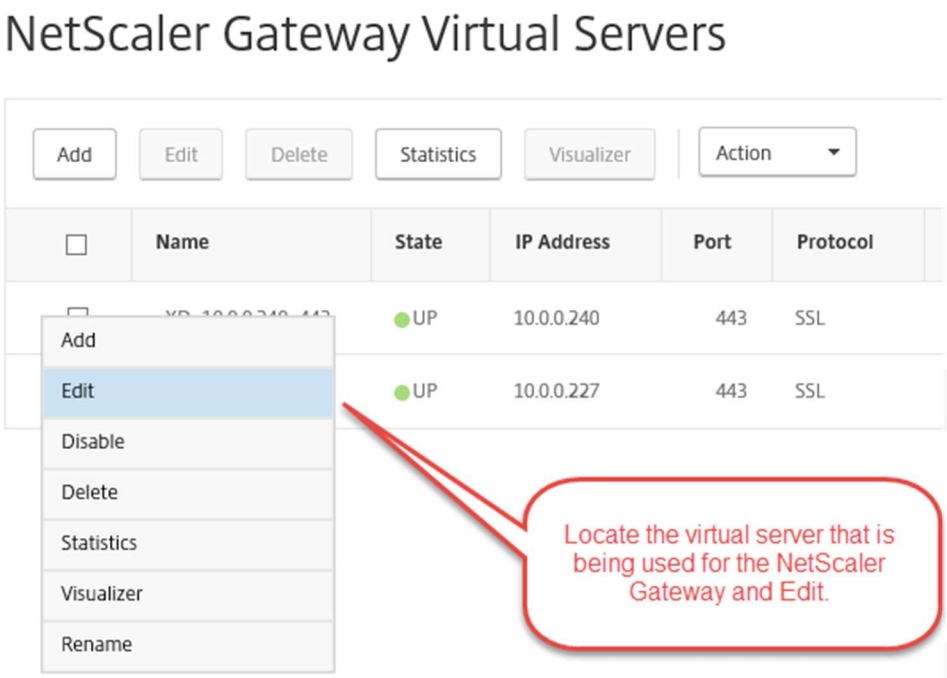


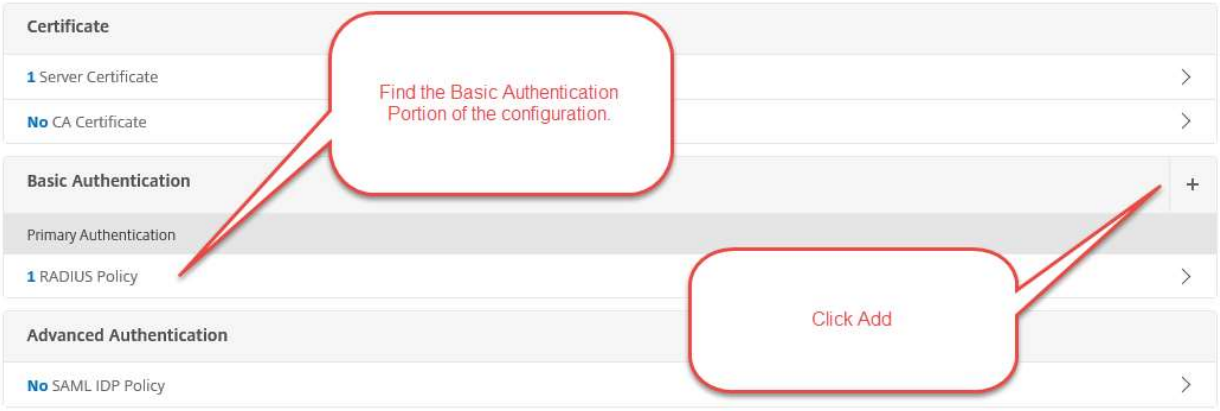
Once you have created the authentication policy, defined your SecurEnvoy Server, verified pap and your expression, you're nearly done.

All we need to do now is use this policy as opposed to your existing LDAP one.

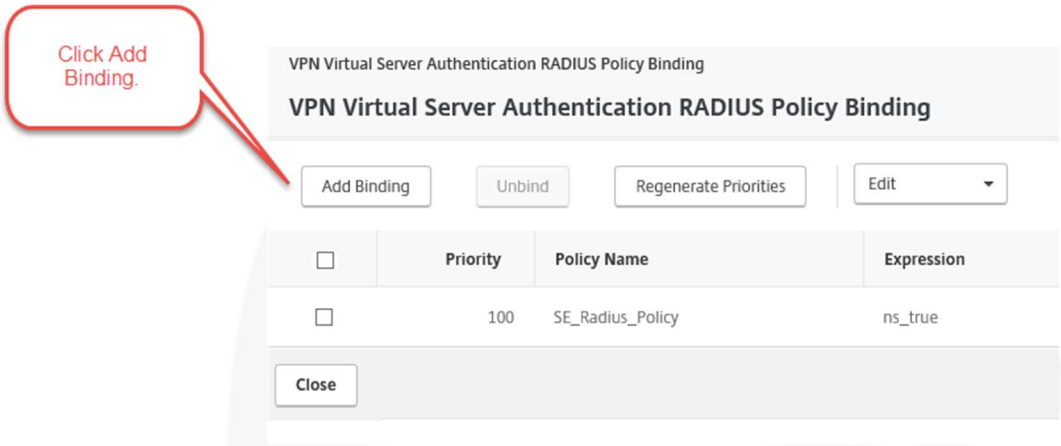
Navigate up to Virtual Servers as shown.



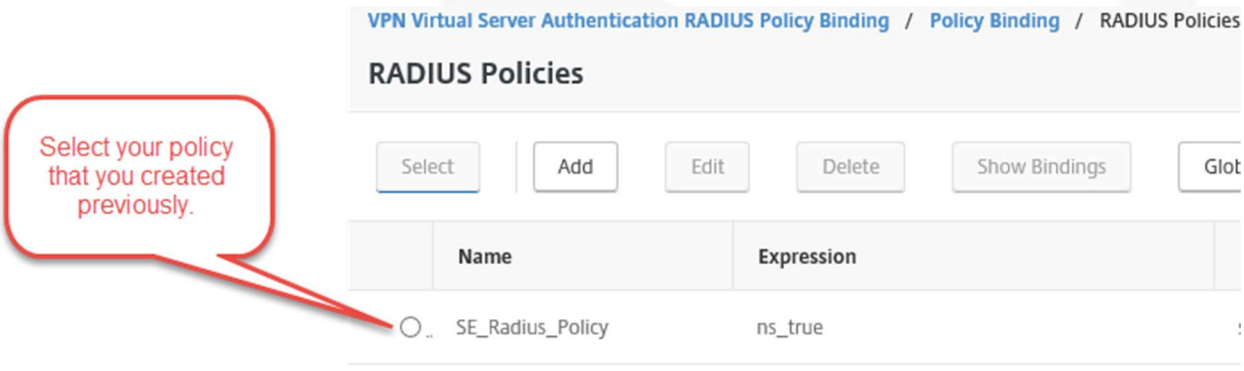


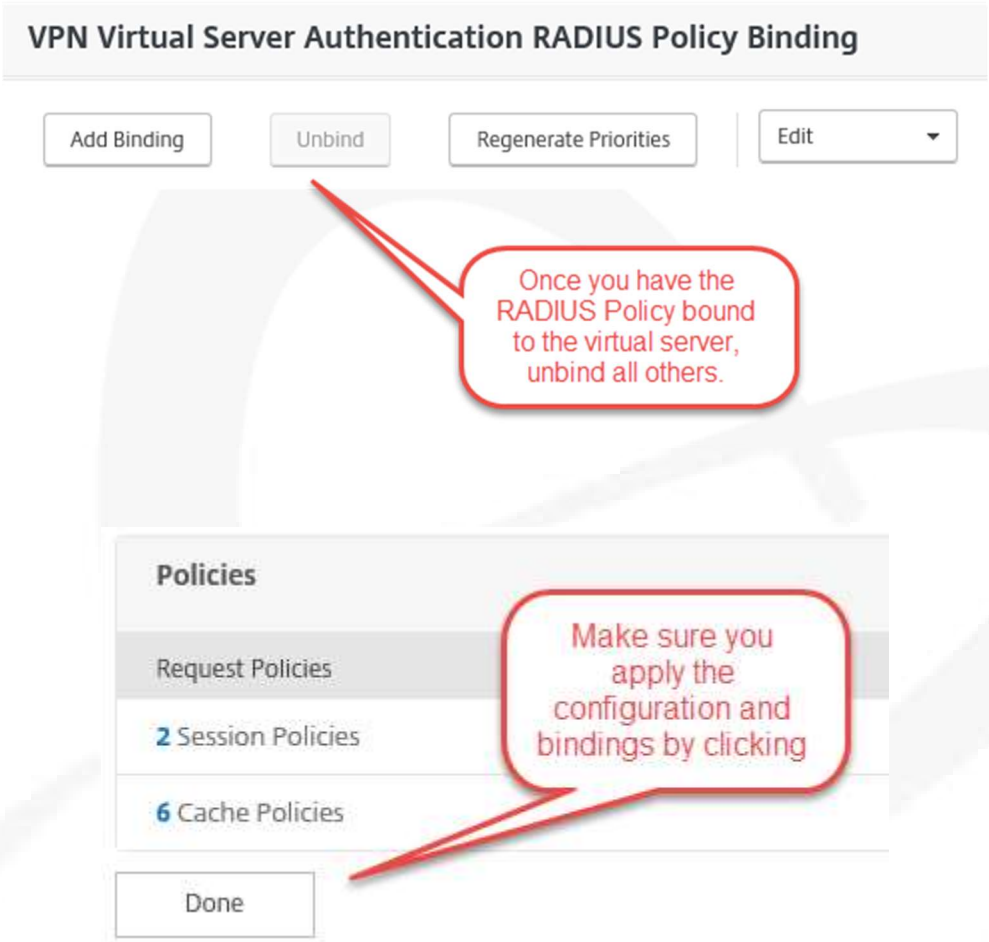


We always recommend adding the RADIUS Policy before removing the authentication policy you already have here.


Click Add Binding.
VPN Virtual Server Authentication RADIUS Policy Binding
VPN Virtual Server Authentication RADIUS Policy Binding
Add Binding
Unbind
Regenerate Priorities
Edit
Priority
Policy Name
Expression
100
SE_Radius_Policy
ns_true
Close


VPN Virtual Server Authentication RADIUS Policy Binding / Policy Binding
Policy Binding
Select Policy*
Click to select
Binding Details
Priority*
110
Bind
Close
Click the arrow to select an existing policy.


Select your policy that you created previously.
VPN Virtual Server Authentication RADIUS Policy Binding / Policy Binding / RADIUS Policies
RADIUS Policies
Select
Add
Edit
Delete
Show Bindings
Name
Expression
SE_Radius_Policy
ns_true



What's Next

Now that you have the SecurEnvoy SecurAccess Two-Factor Authentication configuration completed, you can logoff the Citrix NetScaler.

Opening your browser and navigate to the Citrix NetScaler Access Gateway URL – myapps.company.com

Support for Your Trial

We're happy to help you get things setup and running. If you have any questions or need help with your trial, please reach out to us – we would be happy to help.